

PATENT ABSTRACTS OF JAPAN

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(54) IMAGE PICKUP DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain an image pickup device that receives an image with an optimum lighting by flash.

SOLUTION: The output signal of a CCD image pickup element 11 is fed to a CDS circuit 12, and the CDS circuit 12 is configured to be a correlation duplex sampling circuit, in which noise elimination, waveform shaping and interpolation of defect pixel are conducted. In a camera process circuit 13, gain correction, black balance, white balance and pre-knee processing are conducted, and a gamma correction circuit 14 conducts gamma correction. The resulting signals from the processing above are fed into a processor section 24 via a driver 15. A microcomputer 17 in response to a control signal from a memory 22 operates a timing generating circuit 18 and a SYNC generating circuit 20 to drive a CCD image pickup element 11 via the driver 21. A trigger signal for an electronic shutter is fed from a terminal 26, and a flash is connected to an X-contact 25.

